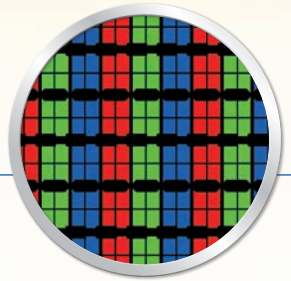
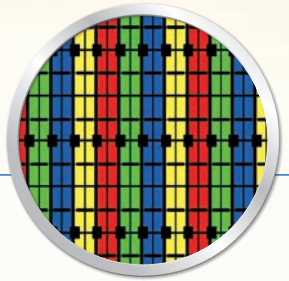
MORE COLOURS THAN EVER AND NOW IN 3D
SHARP
AQUOS
Quattron™

INTRODUCING SHARP'S

QUATTRON QUAD PIXEL TECHNOLOGY



Standard Pixels
(Red Green Blue)



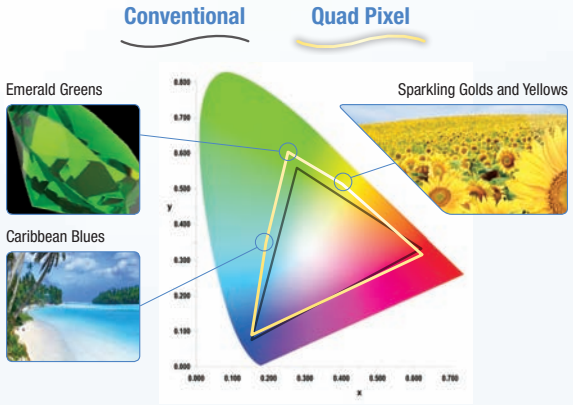
Quattron quad pixel Technology
(Red Green Blue Yellow)

With the introduction of Sharp's next-generation set of UltraBrilliant edge lit AQUOS LED LCD TVs, Sharp once again reinforces its leadership in television technology. Conventional LCD displays employ the use of only three colors: R (red), G (green) and B (blue). In a monumental engineering breakthrough, Sharp's proprietary quad pixel technology adds Y (yellow) to the traditional RGB, enabling unbelievable colors to be displayed for the first time on an LCD TV. This RGBY color combination introduces never-before-seen colors to the TV industry, bringing life to sparkling golds, Caribbean blues and sunflower yellows.

This is more than just revolutionary technology. Quattron quad pixel technology from Sharp is redefining the way we see HDTV.

QUAD PIXEL TECHNOLOGY

Quattron LED LCD TVs employ a four colour filter for the first time in the industry, adding the colour Y (yellow) to the three colours of R (Red), G (Green) and B (Blue). Quad pixel technology produces this groundbreaking combination expanding the colour gamut and faithfully rendering nearly all colours that can be discerned while introducing never-before-seen colours to TVs, like sparkling golds, Caribbean blues and sunflower yellows.



SHARP

OWN IT ON DVD, BLU-RAY & BLU-RAY 3D DEC. 14

Sharp's proprietary Quattron™ system produces the brightest 3D TV images with reduced "crosstalk blurs", and the Spacious 3D Sound audio to complete the 3D experience.

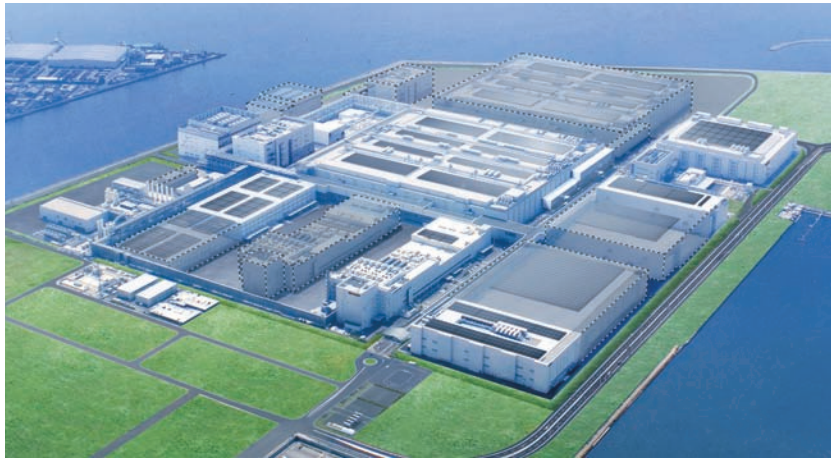
3D

AQUOS®
Quattron™

ENVIRONMENTALLY CONSCIOUS LCD TVS

Sharp received the Energy Star Award for Excellence in Energy Efficient Product Design.

Sharp designed AQUOS LCD TVs to require fewer resources to manufacture…and less energy to use. Most Sharp LCD TVs are ENERGY STAR® qualified and feature low energy consumption and extended operating life. Sharp is committed to setting new standards for energy efficiency and environmental friendliness by minimizing waste and greenhouse gases in all Sharp factories. We are constantly improving conservation technologies and programs in the packaging, transportation, use, recycling and safe disposal of our products.



Sharp Green Front Sakai* brings the world two environmentally friendly products: energy-saving LCD panels and energy-creating solar panels. Sharp aims to make this complex an environmentally advanced production base through such environmental measures as adopting LEDs for all indoor and outdoor lighting (approximately 100,000 LED lights) throughout the complex. In addition, Sharp will install solar panels on all factory roofs to provide some of the needed electricity. Sharp Green Front Sakai is the new driving force behind Sharp's efforts to make environmentally friendly products at an environmentally conscious plant, thus helping to realize a greener society.

Think GREEN™

***Sharp Green Front Sakai is a name used in Japan**

AQUOS NET™

WEB BASED CONTENT

AQUOS site captures personalized information and customized links on a single screen, providing quick, convenient access to your favourite content at the touch of a button. New content is added frequently. Available on Select AQUOS models.*1

AQUOS ADVANTAGE LIVE℠

This unique service gives AQUOS Advantage℠ members free, live assistance via the intenet. Assistance includes TV set up, picture setting adjustment and more.

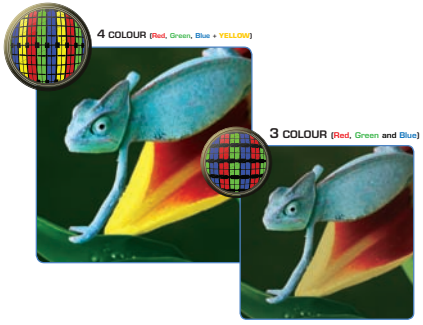
AQUOS ADVANTAGE
AQUOS ADVANTAGE℠ LIVE
Connect to AQUOS Advantage Live
This unique service allows an AQUOS Advantage Advisor to connect to your AQUOS® LCD TV over the internet. This provides Sharp with the capability to assist in remotely diagnosing certain issues related to picture quality, signal strength, settings and connections.
To connect to AQUOS Advantage Live, click on the above button and follow the instructions on the next page to contact your AQUOS Advantage Advisor.
Secure broadband connection to SHARP
WeatherBug
Your 7-Day Forecast
for: San Francisco, CA 94114
Live Conditions 6:46 AM, Twin Peaks Summit
Wind Chill: 46°F
Humidity: 100%
Dew Point: 49°F
Live Camera
Tuesday Hi:64° Lo:55°
Wednesday Hi:69° Lo:55°
Thursday Hi:67° Lo:55°
Friday Hi:68° Lo:55°
Saturday Hi:68° Lo:55°
Sunday Hi:67° Lo:55°
Monday Hi:69°
NAVTEO TRAFFIC
NASDAQ
ZIGGY
HIRING
msnbc.com
TOP HEADLINES
AQUOS GALLERY

ADVANCED AQUOS® LCD TV TECHNOLOGY

Great style and performance don't just happen. It takes a commitment to quality, an incredible team of professionals and a vision for innovation. Sharp, a global leader in LCD televisions, brings all this and more to LCD TV technology, continually raising the bar to achieve outstanding quality and high performance.

QUATTRON TECHNOLOGY

Quattron LED LCD TVs feature technology advancements enabling picture quality formerly difficult or impossible to reproduce using conventional LCD displays. When combined with Sharp's 1080p X-Gen LCD panel, the displays offer dramatic reduction in energy consumption compared with conventional CCFL LCD TVs. These technologies work in tandem to optimize picture quality and contrast ratios while reducing energy use.



AQUOS® QUATTRON™ 3D

Sharp creates the best 3D experience with a combination of the X-Gen LCD panel, quad pixel technology and the new Frame Rate Enhanced Driving circuit. The LE925 Series produces 3D images that are nearly twice as bright as a 3D image on conventional flat-panel TVs and with reduced "crosstalk blurs" or double exposure effect.

Frame Rate Enhanced Driving allows the AquoMotion 240 drive to be achieved with single source wiring, lowering energy consumption while increasing screen brightness. Sharp's newly designed Side Mount Scanning LED Backlight reduces "crosstalk blur" between left and right images by scanning images in several sequential rows from top to bottom, as opposed to 3DTVs which scan either by top and bottom half or by lighting the full screen.

AQUOMOTION 240

AquoMotion 240 enables smoother video in fast-motion sequences such as in movies and sports by minimizing motion blur or jitter. AquoMotion 240 combines advanced 120Hz technology with Sharp's new scanning backlight technology to improve the refresh rate, smoothing edges and improving picture clarity.

QUAD PIXEL PLUS

Quad Pixel Plus technology provides a smooth transition between colours by enabling individual illumination or shading of the "dots" or sub-pixels. By illuminating or displaying shades a smoother looking image with a higher perceived level of detail is possible.

Screen images are simulated

LE925 SERIES

AQUOS® Quattron™ 3D

THE 3D EXPERIENCE, NOW FEATURING QUATTRON™ TECHNOLOGY

The AQUOS® Quattron™ system produces the brightest 3D image resolution on the market today, significantly reduced 3D "crosstalk blur" and a dynamic contrast ratio of 8,000,000:1. The Quattron LE925 3D TVs employ Sharp's quad pixel technology, the X-Gen LCD panel, Frame Rate Enhanced Driving and LED backlight side-mount scanning with a newly enhanced Active Contrast algorithm, to deliver a superior 3D experience. Two included pairs of advanced 3D glasses offer a versatile 3D to 2D mode conversion allowing one person to watch in 2D while others are watching in 3D. In addition, Sharp's three Spacious 3D Sound modes complete the immersive experience when viewing movies, concerts or any 3D programming. The LE925 Series is already compliant with ENERGY STAR® program requirements for televisions Version 5.1.

KEY FEATURES

- Quad pixel technology
- Quad Pixel Plus
- Backlight scanning technology
- Advanced 3D Glasses (two pair included)
- Full HD 1080p (1920 x 1080) Resolution
- UltraBrilliant edge lit LED
- X-Gen LCD Panel
- AquoMotion240
- Frame Rate Enhanced Driving
- Spacious 3D Sound
- Full Front Glass Design
- 8,000,000:1 Dynamic Contrast Ratio
- Wide Viewing Angles (176° H x 176° W)
- High Brightness
- AQUOS Net™
- USB Media Player (movies, photos, music)
- Divx HD
- WiFi USB Dongle Included
- Vyper Drive
- AQUOS LINK™

AVAILABLE SCREEN CLASS SIZES:

60", 52"

60-1/32" Diagonal 52-1/32" Diagonal

ultra BRILLIANT LED EDGE-LIT L.E.D. | AQUOS LED | AQUOS net | AquoMotion 240 | X-GEN PANEL

4 QUAD PIXEL PLUS | abg WiFi n CERTIFIED dual-stream n | DIVX HD | FULL HD 1080P | Think GREEN

AQUOS® Quattron™

LE920 SERIES

The AQUOS LE920 Series LED LCD TVs offer superior in image quality and connectivity. This series combines Sharp's Full HD 1080p X-Gen LCD panel with its UltraBrilliant edge lit LED backlight for vibrant colours and deep blacks. Quattron quad pixel Technology introduces the industry's first yellow sub-pixel reproducing colours more brilliant than other flat-panel TVs. This 1080p series displays outstanding fast-action video, through AquoMotion 240, which virtually eliminates blur and artifacts. The LE920 series includes AQUOS Net™, featuring the industry's leading online support system, AQUOS Advantage℠ Live. At only 1.6-inches thin, the full-front glass panel extends to meet the slim border for a stylish and subtle edge.

AVAILABLE SCREEN CLASS SIZES:

60", 52"

60-1/32" Diagonal 52-1/32" Diagonal

KEY FEATURES

- Quad pixel technology
- Full HD 1080p (1920 x 1080) Resolution
- UltraBrilliant edge lit LED
- X-Gen LCD Panel
- AquoMotion 240
- Quad Pixel Plus
- Full Front Glass Design
- 6,000,000:1 Dynamic Contrast Ratio
- Wide Viewing Angles (176° H x 176° W)
- High Brightness
- AQUOS Net™
- USB Media Player (movies, photos, music)
- Divx HD
- WiFi USB Dongle Included
- Vyper Drive
- AQUOS LINK™

4 QUAD PIXEL PLUS

ultra BRILLIANT LED EDGE-LIT L.E.D.

AQUOS net

DivX HD

AQUOS LED

AquoMotion 240

X-GEN PANEL

abg WiFi n CERTIFIED®

dual-stream n

FULL HD 1080P

Think GREEN

LE820 SERIES

AQUOS Quattron™

Offering additional large-screen AQUOS LED LCD TV options, the LE820 Series is available in 60-, 52-, 46- and 40-inch screen class sizes. These models combine Sharp's X-Gen LCD panel with an UltraBrilliant edge lit LED backlight and feature Quattron quad pixel Technology. Sharp's proprietary Fine Motion Avanced technology is included for 120Hz Frame Rate Conversion, as well as fast response time (4 ms). The LE820 Series also features the elegant and modern full-front glass design.

KEY FEATURES

- Quad pixel technology
- Full HD 1080p (1920 x 1080) Resolution
- UltraBrilliant edge lit LED
- X-Gen LCD Panel
- 120Hz Fine Motion Advanced
- Full Front Glass Design
- 5,000,000:1 Dynamic Contrast Ratio
- Wide Viewing Angles (176° H x 176° W)
- High Brightness
- AQUOS Net™
- USB Media Player (photos/music)
- Vyper Drive
- AQUOS LINK

AVAILABLE SCREEN CLASS SIZES:

60", 52", 46", 40"

60-1/32" Diagonal | 52-1/32" Diagonal | 45-63/64" Diagonal | 40" Diagonal

Fine Motion Advanced 120Hz Frame Rate Conversion

VYPER DRIVE

ultra BRILLIANT LED EDGE-LIT L.E.D.

AQUOS net

X-GEN PANEL

AQUOS LED

FULL HD 1080P

Think GREEN

AQUOS
Quattron™

LE810 SERIES

Also featuring quad pixel technology, the LE810 Series is available in 60-, 52-, 46- and 40-inch screen class sizes. The LE810 Series features Sharp's X-Gen LCD panel with an UltraBrilliant edge lit LED backlight. For ultra-smooth fast motion, Sharp's proprietary Fine Motion Advanced technology is included for 120Hz Frame Rate Conversion, as well as fast response time (4 ms).

KEY FEATURES

- Quattron quad pixel Technology
- Full HD 1080p (1920 x 1080) Resolution
- UltraBrilliant edge lit LED
- X-Gen LCD Panel
- 120Hz Fine Motion Advanced
- 4,000,000:1 Dynamic Contrast Ratio
- Wide Viewing Angles (176° H x 176° W)
- High Brightness
- AQUOS Net™
- USB Media Player (photos/music)
- Vyper Drive
- AQUOS LINK™

AVAILABLE SCREEN CLASS SIZES:

60", 52", 46", 40"

60-1/32" Diagonal | 52-1/32" Diagonal | 45-63/64" Diagonal | 40" Diagonal

LC-60E88UN

The LC-60E88UN 240HZ 60-inch screen class size AQUOS® LCD TV is built for high-definition large screen viewing. This model utilizes Sharp's proprietary Full HD 1080p X-Gen LCD panel with UV2A technology and 10-bit processing for a dramatically bright and clear picture. Combining the X-Gen panel with true 240Hz Fine Motion Advanced technology, provides a stunning picture, even in fast-motion sequences such as in movie and sports scenes. The LC-60E88UN model is compliant with ENERGY STAR® program requirements for televisions, Version 4.1 and Sharp's OPC function automatically adjusts the TV's brightness based on the lighting of the room. HDMI® inputs provide all the connection options that you'll need. It features a stylish piano-black design to match the advanced picture quality.

KEY FEATURES

- Full HD 1080p (1920 x 1080) Resolution
- X-Gen LCD Panel
- 25,000:1 Dynamic Constant Ratio
- True 240Hz Fine Motion Advanced
- Active Color and Contrast
- 4ms Response Time
- Wide Viewing Angles (176° H x 176° W)
- Vyper Drive
- AQUOS LINK™
- High Brightness
- 4 HDMI® Inputs
- Built-in ATSC / QAM / NTSC Tuners
- Six 1080p Compatible Inputs
- OPC (Optical Picture Control)

AVAILABLE SCREEN CLASS SIZES:

60"

60-1/32" Diagonal

AQUOS

X-GEN PANEL

Fine Motion Advanced 240Hz Frame Rate Conversion

VYPER DRIVE

FULL HD 1080P

Think GREEN

LE620 SERIES

The AQUOS® LE620 series sports Full HD 1080p image quality, 120Hz Fine Motion Enhanced and an elegant new edge lit LED design. A high-performance LCD panel provides ultra-dark high Dynamic Contrast Ratio and fast response time. Features include built-in ATSC / QAM / NTSC tuners, 4 HDMI® inputs compatible with 1080p signals, a PC input and 2 HD component video inputs as well as a sleek piano black cabinet with bottom-mounted speakers.

KEY FEATURES

- Full HD 1080p (1920 x 1080) Resolution
- Edge lit LED
- 26w (8w+8w+10w) Audio System with Subwoofer (LC-52/46LE620UT)
- 20w (10w+10w) Audio System (LC-42LE620UT)
- 2,000,000:1 Dynamic Constant Ratio (LC-52LE620UT, LC-46LE620UT)
- 1,000,000:1 Dynamic Constant Ratio (LC-42LE620UT)
- 120Hz Fine Motion Enhanced
- Active Colour and Contrast
- Wide Viewing Angles (176° H x 176° W)
- Vyper Drive
- AQUOS LINK™
- High Brightness
- 4 HDMI® Inputs
- Built-in ATSC / QAM / NTSC Tuners
- Six 1080p Compatible Inputs
- USB Media Player

AVAILABLE SCREEN CLASS SIZES:

55", 54-5/8" Diagonal

46", 45-63/64" Diagonal

42", 42" Diagonal

LS510/410 SERIES

The LS510/410 Series expands the breadth of AQUOS LED LCD TV offerings with a contemporary, ultra-thin design and high-quality performance. A powerful TFT LCD panel combined with an edge lit LED backlight system provide high contrast ratios for deep blacks and vibrant colours in dark or bright scenes. These models are compliant with ENERGY STAR® program requirements for televisions, Version 4.1. They come equipped with HDMI® inputs for convenient connection to HD-capable devices, a headphone mini-jack for easy speaker connections and USB Media player. They feature a black cabinet and easily removable table stand for wall mounting applications.

KEY FEATURES

- Full HD 1080p (1920 x 1080) Resolution (LC-32/22LS510UT)
- True16:9 Aspect Ratio (1366 x 768) Resolution (LC-19LS410UT)
- Edge lit LED
- Wide Viewing Angles (176° H x 176° W) (LC-32LS510UT)
- USB Media Player
- PC Input
- Vyper Drive
- 4 HDMI® (LC-32LS510UT)
  2 HDMI® (LC-22LS510UT, LC-19LS410UT)

AVAILABLE SCREEN CLASS SIZES:

32", 31-1/2" Diagonal
22", 21-1/2" Diagonal
19", 18-1/2" Diagonal

VYPER DRIVE
FULL HD 1080P
Think GREEN
AQUOS LED

HOME THEATRE PROJECTOR XV-Z15000

This SharpVision® 1080p full high definition DLP® front projector represents an outstanding value in home theatre entertainment. It utilizes a DLP® chip 0.65", 1920 x 1080 technology from Texas Instruments and Sharp's proprietary technologies. The Vyper Drive game mode eliminates perceptible lag between the video game and the projector. The Z15000 boasts the outstanding Enhanced Picture Contrast Technology and a high brightness 1600 ANSI lumens rating, delivering one of the best pictures available in consumer home theatre projectors today.

XV-Z15000 KEY FEATURES

- Full HD 1080p (1920 x 1080) Resolution
- DLP® chip 0.65" from Texas Instruments
- 30,000:1 Dynamic Contrast Ratio
- 1,600 ANSI Lumen Brightness
- 6 Segment, 5X Speed Colour Wheel
- Vyper Drive in Game Mode
- Digital Horizontal and Vertical Keystoning
- 2 HDMI® Inputs
- RS-232C

FULL HD 1080P VYPER DRIVE SHARP VISION

BLU-RAY DISC™ PLAYERS

BD-HP80U KEY FEATURES

- Full HD 3D 1080P
- Full HD 1080p/24 fps Video Output
- Dolby® Digital Plus and Dolby® True-HD
- DTS-HD/DTS-HD Master Audio playback
- Slim Low Profile Design
- Slot Loading Drive
- Vudu Movie Streaming*
- Pandora Music Streaming*
- VESA 75 mm Mounting Panel
- DIVX HD, AVCHD, CD and MP3 Playback
- DLNA Networking with Upgrade
- Netflix Movie Streaming Service*
- AQUOS LINK™
- Standard DVD Up Conversion
- JPEG Disc Viewer/Slideshow
- HDMI® Digital Interface
- Picture in Picture with Dual Audio
- 7.1 Channel Digital Audio
- BD Live
- AQUOS® Pure Mode
- Auto Firmware Update
- On Screen Control Panel

AQUOS BD PLAYER

*Membership and/or fees may apply

BD-HP24U KEY FEATURES

- Full HD 1080p/24 fps Video Output
- Dolby® Digital Plus and Dolby® True-HD
- DTS-HD/DTS-HD Master Audio playback
- AQUOS LINK™
- Standard DVD Up Conversion
- JPEG Disc Viewer/Slideshow
- AVCHD, JPEG, CD and MP3 Playback
- HDMI® Digital Interface
- Picture in Picture With Dual Audio
- 7.1 Channel Digital Audio
- BD Live
- AQUOS® Pure Mode
- Auto Firmware Update

AQUOS BD PLAYER

SPECIFICATIONS

Model Number	LC-60LE925UN	LC-52LE925UN	LC-60LE920UN	LC-52LE920UN
Screen Size	60" Class (60-1/32" Diagonal)	52" Class (52-1/32" Diagonal)	60" Class (60-1/32" Diagonal)	52" Class (52-1/32" Diagonal)
Quattron quad pixel Technology	Yes	Yes	Yes	Yes
3D	Yes (2 pairs of glasses included)	Yes (2 pairs of glasses included)	No	No
Aspect Ratio	16:9	16:9	16:9	16:9
LCD Panel	X-Gen	X-Gen	X-Gen	X-Gen
Resolution/Format	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Quad Pixel Plus	Yes	Yes	Yes	Yes
Vyper Drive Game Mode	Yes	Yes	Yes	Yes
AQUOS Net	Yes	Yes	Yes	Yes
Refresh Rate	AquoMotion 240	AquoMotion 240	AquoMotion 240	AquoMotion 240
Dynamic Contrast Ratio	8,000,000:1	8,000,000:1	6,000,000:1	6,000,000:1
Viewing Angles	176° H / 176° V	176° H / 176° V	176° H / 176° V	176° H / 176° V
Backlight	Edge lit LED	Edge lit LED	Edge lit LED	Edge lit LED
Tuner Type	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC
Response Time	4ms	4ms	4ms	4ms
Audio Output	10W +10W + 15W (Subwoofer)	10W +10W + 15W (Subwoofer)	10W +10W + 15W (Subwoofer)	10W +10W + 15W (Subwoofer)
OPC (Optical Picture Control)	Yes	Yes	Yes	Yes
ENERGY STAR® Qualified	Yes	Yes	Yes	Yes
HDMI® Input	4 (24p, x. v. Color, Deep Color)	4 (24p, x. v. Color, Deep Color)	4 (24p, x. v. Color, Deep Color)	4 (24p, x. v. Color, Deep Color)
Ethernet	1	1	1	1
USB Input	Yes (movies/photos/music)	Yes (movies/photos/music)	Yes (movies/photos/music)	Yes (movies/photos/music)
WiFi USB Dongle	Yes	Yes	Yes	Yes
PC Input	15-pin D-Sub x 1	15-pin D-Sub x 1	15-pin D-Sub x 1	15-pin D-Sub x 1
HD Component In*2	1	1	1	1
Composite Video Input (A/V)*2	1	1	1	1
Audio Inputs (L/R)	1	1	1	1
RF Input	1	1	1	1
RS-232C	9-pin x 1	9-pin x 1	9-pin x 1	9-pin x 1
Digital Audio Output	1	1	1	1
Power Source	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz
Power Consumption	240W	200W	230W	180W
Dimensions TV and Stand	1438 x 975 x 368	1260 x 861 x 340	1438 x 975 x 368	1260 x 861 x 340
(WxHxD) TV Only	1438 x 913 x 40	1260 x 811 x 39	1438 x 913 x 40	1260 x 811 x 39
Weight (kgs) TV and Stand / TV Only	58/47	36/30	55/44.5	39/33.5

*2Mini Jack

Specifications and images are subject to change without notice.

SPECIFICATIONS

Model Number	LC-60LE820UN	LC-52LE820UN	LC-46LE820UN	LC-40LE820UN	LC-60LE810UN	LC-52LE810UN	LC-46LE810UN
Screen Size	60" Class (60-1/32" Diagonal)	52" Class (52-1/32" Diagonal)	46" Class (45-63/64" Diagonal)	40" Class (40" Diagonal)	60" Class (60-1/32" Diagonal)	52" Class (52-1/32" Diagonal)	46" Class (45-63/64" Diagonal)
Quattron quad pixel Technology	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9	16:9
LCD Panel	X-Gen	X-Gen	X-Gen	X-Gen	X-Gen	X-Gen	X-Gen
Resolution/Format	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Embedded Disc Drive	No	No	No	No	No	No	No
Vyper Drive Game Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AQUOS Net	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Refresh Rate	120Hz	120Hz	120Hz	120Hz	120Hz	120Hz	120Hz
Dynamic Contrast Ratio	5,000,000:1	5,000,000:1	5,000,000:1	5,000,000:1	4,000,000:1	4,000,000:1	4,000,000:1
Viewing Angles	176° H / 176° V	176° H / 176° V	176° H / 176° V	176° H / 176° V	176° H / 176° V	176° H / 176° V	176° H / 176° V
Backlight	Edge lit LED	Edge lit LED	Edge lit LED	Edge lit LED	Edge lit LED	Edge lit LED	Edge lit LED
Tuner Type	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC
Response Time	4ms	4ms	4ms	4ms	4ms	4ms	4ms
Audio Output	10W + 10W + 15W (Subwoofer)	10W + 10W + 15W (Subwoofer)	10W + 10W + 15W (Subwoofer)	10W + 10W + 15W (Subwoofer)	10W + 10W + 15W (Subwoofer)	10W + 10W + 15W (Subwoofer)	10W + 10W + 15W (Subwoofer)
OPC (Optical Picture Control)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENERGY STAR® Qualified	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HDMI® Input	4 (24p, x. v. Color, Deep Color)	4 (24p, x. v. Color, Deep Color)	4 (24p, x. v. Color, Deep Color)	4 (24p, x. v. Color, Deep Color)	4 (24p, x. v. Color, Deep Color)	4 (24p, x. v. Color, Deep Color)	4 (24p, x. v. Color, Deep Color)
Ethernet	1	1	1	1	1	1	1
USB Input	Yes (photos/music)	Yes (photos/music)	Yes (photos/music)	Yes (photos/music)	Yes (photos/music)	Yes (photos/music)	Yes (photos/music)
PC Input	15-pin D-Sub x 1	15-pin D-Sub x 1	15-pin D-Sub x 1	15-pin D-Sub x 1	15-pin D-Sub x 1	15-pin D-Sub x 1	15-pin D-Sub x 1
HD Component In	1	1	1	1	1	1	1
Composite Video Input (A/V)	1	1	1	1	1	1	1
Audio Inputs (L/R)	1	1	1	1	1	1	1
RF Input	1	1	1	1	1	1	1
RS-232C	9-pin x 1	9-pin x 1	9-pin x 1	9-pin x 1	9-pin x 1	9-pin x 1	9-pin x 1
Digital Audio Output	1	1	1	1	1	1	1
Power Source	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz
Power Consumption	230W	170W	160W	140W	230W	170W	160W
Dimensions TV and Stand	1439 x 975 x 368	1260 x 861 x 340	1127 x 785 x 340	993 x 707 x 275	1438 x 974 x 368	1259 x 861 x 340	1125 x 784 x 340
(WxHxD)TV Only	1439 x 913 x 40	1260 x 811 x 39	1127 x 734 x 39	993 x 659 x 39	1438 x 912 x 40	1259 x 810 x 40	1125 x 733 x 40
Weight (kgs) TV and Stand / TV Only	51/40.5	35/30	30/24.5	23.5/43	43.5/32.5	30/24.5	26/20.5

Specifications and images are subject to change without notice.

SPECIFICATIONS

Model Number	LC-40LE810UN	LC-60E88UN	LC-55LE620UT	LC-46LE620UT	LC-42LE620UT
Screen Size	40" Class (40" Diagonal)	60" Class (60-1/32" Diagonal)	55" Class (54-5/8" Diagonal)	46" Class (45-63/64" Diagonal)	42" Class (42" Diagonal)
Quattron quad pixel Technology	Yes	No	No	No	No
Aspect Ratio	16:9	16:9	16:9	16:9	16:9
LCD Panel	X-Gen	X-Gen	TFT LCD	TFT LCD	TFT LCD
Resolution/Format	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Embedded Disc Drive	No	No	No	No	No
Vyper Drive Game Mode	Yes	Yes	Yes	Yes	Yes
AQUOS Net	Yes	No	No	No	Yes
Refresh Rate	120Hz	240Hz	120Hz	120Hz	120Hz
Dynamic Contrast Ratio	4,000,000:1	25,000:1	2,000,000:1	2,000,000:1	1,000,000:1
Viewing Angles	176° H / 176° V	176° H / 176° V	176° H / 176° V	176° H / 176° V	176° H / 176° V
Backlight	Edge lit LED	CCFL	Edge lit LED	Edge lit LED	Edge lit LED
Tuner Type	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC
Response Time	4ms	4ms	5.5ms	5.5ms	6.5ms
Audio Output	10W + 10W + 15W (Subwoofer)	10W + 10W	10W + 10W	10W + 10W	10W + 10W
OPC (Optical Picture Control)	Yes	Yes	Yes	Yes	Yes
ENERGY STAR® Qualified	Yes	Yes	Yes	Yes	Yes
HDMI® Input	4 (24p, x. v. Color, Deep Color)	4	4	4	4
Ethernet	1	No	No	No	No
USB Input	Yes (photos/music)	No	Yes (movies/photos/music)	Yes (movies/photos/music)	Yes (movies/photos/music)
PC Input	15-pin D-Sub x 1	15-pin D-Sub x 1	15-pin D-Sub x 1	15-pin D-Sub x 1	15-pin D-Sub x 1
HD Component In	1	2	2	2	2
S-Video Input	No	No	1	1	1
Composite Video Input (A/V)	1	2	1	1	1
Audio Inputs (L/R)	1	2	3	3	3
RF Input	1	1	1	1	1
RS-232C	9-pin x 1	9-pin x 1	9-pin x 1	9-pin x 1	9-pin x 1
Digital Audio Output	1	1	1	1	1
Power Source	120V, 60Hz	120V	120V, 60Hz	120V, 60Hz	120V, 60Hz
Power Consumption	140W	390W	180W	160W	130W
Dimensions TV and Stand	992 x 706 x 275	1438 x 951 x 446	1324 x860 x 340	1120 x 746 x 312	1018 x 668 x 260
(WxHxD) TV Only	992 x 658 x 40	1438 x 893 x 119.5	1324 x 814 x 47	1120 x 699 x 47	1018 x 630 x 45
Weight (kgs) TV and Stand/TV Only	19.5/16	42/37	16.1/14	22.4/17.9	16/14

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SPECIFICATIONS

Model Number	LC-32LS510UT	LC-22LS510UT	LC-19LS410UT
Screen Size	32" Class (31-35/64" Diagonal)	22" Class (21-1/2" Diagonal)	19" Class (18-1/2" Diagonal)
Quattron quad pixel Technology	No	No	No
Aspect Ratio	16:9	16:9	16:9
LCD Panel	TFT LCD	TFT LCD	TFT LCD
Resolution/Format	1920 x 1080	1920 x 1080	1366 x 768
Embedded Disc Drive	No	No	No
Vyper Drive Game Mode	No	No	No
AQUOS Net	No	No	No
Refresh Rate	60Hz	60Hz	60Hz
Dynamic Contrast Ratio	30,000:1	1,000,000:1	1,000,000:1
Viewing Angles	176° H / 176° V	170° H / 160° V	170° H / 160° V
Backlight	Edge lit LED	Edge lit LED	Edge lit LED
Tuner Type	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC
Response Time	6.5ms	5ms	5ms
Audio Output	10W + 10W	3W + 3W	3W + 3W
OPC (Optical Picture Control)	No	No	No
ENERGY STAR® Qualified	Yes	Yes	Yes
HDMI® Input	4	2	2
Ethernet	No	No	No
USB Input	Yes (photos/music)	Yes (photos/music)	Yes (photos/music)
PC Input	No	No	No
HD Component In	2	1	1
S-Video Input	No	No	No
Composite Video Input (A/V)	1	1	1
Audio Inputs (L/R)	3	2	2
RF Input	1	1	1
RS-232C	9-pin x 1	9-pin x 1	9-pin x 1
Digital Audio Output	1	1	1
Power Source	120V, 60Hz	120V, 60Hz	120V, 60Hz
Power Consumption	86W	34W	28W
Dimensions TV and Stand	786 x 535 x 238	536 x 372 x 170	468 x 335 x 170
(WxHxD) TV Only	786 x 500 x 45	536 x 342 x 39	468 x 304 x 39
Weight (kgs) TV and Stand/TV Only	10.2/8.8	4.4/4	3.7/3.3

SPECIFICATIONS

Model Number	BD-HP80U	BD-HP24U
HD Disc Format	3D Blu-ray Disc™	Blu-ray Disc™
Media Profile	2.0 Version	2.0 Version
BD Live	Yes	Yes
DVD Video	Yes	Yes
DVD-RW/R	Yes	Yes
DVD+RW/R	Yes	Yes
CD-DA/CD-RW/R	Yes	Yes
MP3 / JPEG – CD-RW/R / USB	Yes (20 MB maximum)	Yes (20 MB maximum)
Format		
MPEG2	Yes	Yes
DIVX HD	Yes	No
AC3	Yes	Yes
DTS	Yes	Yes
Linear PCM	Yes	Yes
DTS HD Master / High Res.	Yes	Yes
Dolby® Digital Plus	Yes	Yes
Dolby® TrueHD (Lossless) (96kHz)	Yes	Yes
Features		
HDMI® Technology (Output Resolution)	1080p	1080p
AQUOS LINK™ Function	Yes	Yes
HDMI® 1080P, 24Hz Output	Yes	Yes
ENERGY STAR® Qualified	Yes	Yes
Wireless LAN	Yes	No
Pop-up Menu System	Yes	Yes
Display Dimmer	Yes	Yes
Parental Lock	Yes	Yes
On Screen Control via HDMI® (AQUOS LINK™)	Yes	Yes
Netflix Movie Streaming Service*	Yes	No
VUDU Movie/Pandora Music Streaming*	Yes	No
YouTube Video Streaming	No	No
Output Terminals		
Composite Video	No	RCA x 1
HD Component	No	1
HDMI® Output	1	1
Analog Audio Output (L/R)	No	1
Digital Out (Optical)	1	1
Ethernet Jack	1	1
USB Input	1	1
RS-232C	No	No
Input Terminals	No	No
Power Consumption/Stand-by	16W/0.4W	14W/0.4W
Dimensions (WxHxD)	429 x 35 x 216	433 x 59 x 221
Weight (kgs)	2.3	2.2

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SPECIFICATIONS

Model Number	XV-Z15000
HDTV Compatible	1080p, 1080i, 1035i, 720p, 576p, 576i, 540p, 480p, 480i
Aspect Ratio	16:9
Resolution	1920 x 1080
Luminance*1	1600 ANSI (in High Brightness Mode)
Contrast Ratio	30,000:1 (in High Contrast Mode)
Maximum Screen Size	500" (Diagonally Using 16:9 Aspect Ratio)
Projection Distance	100" Screen Throw Distance 10' 4" - 11' 11"
Throw Ratio	1.41 - 1.63
Display Method	DLP® chip from Texas Instruments
Film Mode	24Hz Progressive Format
Computer Compatibility	VGA, SVGA, XGA, WXGA, SXGA, SXGA+, WSXGA
Digital Keystone	Auto: Vertical, Manual: Vertical & Horizontal
Video System	NTSC (and 4.43)/PAL (and 60Hz) /PAL-M/PAL-N/SECAM
Lens Type	1.15X Manual Zoom and Focus
Projection Lamp Type / Life*2	250W SHP/up to 3000 hours (in Eco mode)
Fan Noise	23dB (Eco+Quiet mode)
HDMI® Input	2
HD Component In	1 (3 RCA)
S-Video Input	1 (4-Pin Mini DIN)
RGB Input	1 (D-Sub)
Composite Video	1 (RCA)
RS-232C	9-pin x 1 (D-Sub)
Vyper Drive Game Mode	Yes
Gamma Correction	Yes
Detachable AC Cord	Yes
Color Temperature Adjustment	Yes
Wireless Remote Control	Yes
Power Source	100-240V AC, 50/60Hz (Multi-Voltage)
Power Consumption	339W (8.3W) - 240V/353W (7.6W) - 100V
Dimensions (Main Body Only)	400 x 100 x 335
Weight (kgs)	5.8

*1Brightness values indicate overall average values of the product at the time of shipment and are stated based on ISO 21118-2005.
*2The lamp life may vary depending on the usage condition.

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